

**Amendments to the Claims:**

A clean version of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121(c)(3). This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Currently Amended) A cathodoluminescent gas discharge display comprising a defined, gas-filled space-(3), an anode (4) and a cathode (5) adapted to receive an electrical voltage, and a luminescent screen comprising a luminescent substance-(6), wherein, when an electrical voltage is applied across the anode-(4) and the cathode-(5), a plasma comprising ions and electrons is generated by a gas discharge in the gas-filled space-(3), said plasma ions impact on the cathode-(5), and secondary electrons are created by said impact, characterized in that

the anode (4) is provided in a rear section of the display,

the cathode (5) and the luminescent screen (6) are provided in a front section of the display, and

said secondary electrons are used to excite the luminescent substance-(6).

2. (Currently Amended) A cathodoluminescent gas discharge display as claimed in claim 1, wherein the secondary electrons are accelerated from the cathode (5) to the screen (6) by an applied acceleration voltage.

3. (Original) A cathodoluminescent gas discharge display as claimed in claim 2, wherein the acceleration voltage is at least 1 kV.

4. (Currently Amended) A cathodoluminescent gas discharge display as claimed in any one of claims 1 to 3, wherein the screen comprising a luminescent substance (6) is a phosphor screen.

5. (Currently Amended) A cathodoluminescent gas discharge display as claimed in any one of claims 1 to 4, wherein the cathode (5) is made of or coated with a high secondary electron emitting material.

6. (Currently Amended) A cathodoluminescent gas discharge display as claimed in ~~any one of claims 1 to 5~~ claim 1, wherein the cathode (5) thickness is within the range of from 100 nm to 100  $\mu$ m.

7. (Currently Amended) A cathodoluminescent gas discharge display as claimed in ~~any one of claims 1 to 6~~ claim 1, wherein the cathode (5) is cone-shaped.

8. (New) A cathodoluminescent gas discharge display comprising:  
a structure having a front section and a rear section opposite the front section, and defining a cavity between the front and rear sections;  
a gas disposed within the cavity;  
an anode disposed at the rear section of the structure;  
a cathode disposed at the front section of the structure;  
a luminescent screen comprising a luminescent substance disposed at the front section of the structure; and  
an acceleration electrode disposed at the front section of the structure,  
wherein, when an electrical voltage is applied across the anode and the cathode and an acceleration voltage is applied to the acceleration electrode, a plasma comprising ions and electrons is generated by a gas discharge in the gas, said plasma ions impact on the cathode, secondary electrons are created by said impact, and the secondary electrons are used to excite the luminescent substance.

9. (New) The display of claim 8, wherein the luminescent substance is disposed on the acceleration electrode.

10. (New) The display of claim 8, wherein the acceleration voltage is at least 1 kV.

11. (New) The display of claim 8, wherein the acceleration voltage is from 5kV to 15kV.

12. (New) The display of claim 8, wherein the screen comprising a luminescent substance is a phosphor screen.

13. (New) The display of claim 8, wherein the acceleration electrode comprises indium tin oxide.